

## Ear Tissue Collection Procedure

### Before starting you will need:

- A submission form, or equivalent to record animal information of samples collected
- Quantum ear tissue collection tag and punch for each sample to be collected
- Quantum ear tissue collection tool
- Container to collect samples (bag, box)
- Freezer for sample storage



**\*IMPORTANT \*** Samples must be stored at subzero temperatures after collection to maintain integrity of DNA in the tissue.

### Procedure

1. Pull white collection tag from ring and place in the tool under the spring clip. The tail of the tag with the barcode and number should be oriented away from the tool.
  - a. Tag numbers in a ring are sequential starting with tag marked “1” and ending with tag marked “8”.
2. Record the collection tag number and corresponding Animal ID.
  - a. Please ensure that the Quantum Tag correctly corresponds to the Animal ID (dangle tag, tattoo, RFID tag, etc.).
3. Place orange cutter over the pin on the tool.
4. Position the animal’s ear between the orange cutter and the spring clip. The cutter should go through the front of the ear. Squeeze the handles together, release, and remove tool from around the animal’s ear.
5. The orange cutter should be protruding from the white tag. Pull on the tail of the white collection tag to remove from the tool. Place the white collection tag in a container (plastic bag, box) for storage.
6. Repeat steps 1-5 for remaining animals.

### Storage & Transport

1. Samples **must be frozen as soon as possible** and left frozen until as close to the shipping time as possible.
2. Ship samples with a freezer pack(s) and use the fastest shipping method possible. Ship samples in an insulated container (ex. Styrofoam) if possible.

**Note: prolonged, non-refrigerated exposure may compromise DNA quality and inhibit test results.**

3. Ship to:  
Quantum Genetix Canada Inc.  
101-110 Research Drive  
Saskatoon, SK S7N 3R3